M. A. R. 57 (Rule 116)
Measurement Book

No. B

426245

rial No. 1st and final Bill

me of Work ..... From..... To.....

me of Contractor of nature of Agency ..... Sri. Murali Mohan. Y.V.

te of commencement of work ..... D.O. Recording 30.08.2019

ate	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
	Name of work :	Improvements to Roads and Construction of Rcc drains at Maruti layout 1st, 2nd, 4th Cross Roads in Ward No-06. Byatarayanapura Sub-Division					
	Estimated Cost Rs :	25.00 Lakhs.					
	NIB.No :	006-18-00007					
	Workorder No :	BBMP/66/BTP/20/30/2019-20					Dt 21.06.2019
	Date of Commencement :	22.06.2019					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Date of Completion . 27.08.2019						
(1)	Earthwork Excavation by manual means in ordinary soil involving on average horizontal throw upto 2m and on average lift upto 0.300m, excavated surface levelled and trued to neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification, norms.						
	qty vide this MB.						
	P.No. 426288 Sl No. (1)						
		1	391.144	169.27	1		66208.4

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426246

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(2) Removing and refixing stone slabs of dressed or ponky in cm 1:3.						
		9th rode flag M.B. pt no (3)					
		p.no 426290				= 28.35 m² @ 77.04/42	2184.00
	3) Providing granite slabs of dressed and ponky in cm including drawing curing etc complete, 9.50 cms thick						
		1	9.00	1.35	—	12.1542	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measure
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					= 12.15 m³		
					@ 636.58/m³		7734.00
4)	providing and laying in position plain cement concrete of mix 1:3:6 with ope cement @ 220 kgs with 40mm and down size graded granite metal coarse aggregate 0.892 yd³ and fine aggregate 0.465 yd³, machine mixed concrete laid in layers not exceeding 150mm thick well compacted in foundations, including curing all materials, labour, tools, machinery, curing complete as per specification.						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B
426247

No. .....
of Work ..... From..... To.....
of Contractor of nature of Agency .....
of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	Qty vide this MB. p.no 426289					
	## no. ③ = 48.48 m² @ 5114.95/m²					24,943.00
1) Providing and removing centering, shuttering, strutting, propping etc and removal of from work for footings, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications						
	Qty vide this MB. p. 426296					
	## no. ① . 111.60 m² @ 234.15/m²					26,131.00

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Refere to la Measur
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
6)	Providg and removg centrg, shuttrg, strutg, propg etc and removal of form work for vertical surfaces such as walls of any thickness, includg attached pilasters, buttresses, plinth and string courses cost of all material, labour complete as per specifications.						
		qty vide this MB. p.no 426291					
		It no (5)		892.80	m^2	@ 297/m2	265162.-
7)	Providg and layg cement concrete using 20mm and down size granite	course aggregate and fine					

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426218

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregates of RMC (Crushy mixed concrete) for RCC Works laid in 15cms thick layers and well compacted vibrating, curing finishing with necessary cement mortar. With all lead and Lift etc complete. RMC M 20 for Raft foundations, columns, footing, main and secondary beams,						
	a) Manuti C/o : Drain Building						
	2nd class. C/o	1	30.50	0.75	0.15	= 3.38 m³	
		1	27.50	0.75	0.15	3.09	
	R/o	1	30.50	0.75	0.15	= 3.38	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	2nd CROSS . L)	1	28.50	0.75	0.15	3.24	
		2×1	30.50	0.75	0.15	6.75	
		1	6.30	0.75	0.15	0.71	
	R)	2×1	30.50	0.75	0.15	6.75	
		1	7.00	0.75	0.15	0.79	
	5M CROSS . L)	2×1	30.50	0.75	0.15	6.79	
		1×1	12.50	0.75	0.15	1.36	
	R)	1	30.50	0.75	0.15	3.38	
		1	27.50	0.75	0.15	3.04	
	(b) for drain inside wall						
	2nd CROSS - L)	2×1	30.50	0.15	0.57	5.13	
		2×1	27.50	0.15	0.57	4.70	
	R)	2×1	30.50	0.15	0.57	5.13	

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426219

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		2×1	28.50	0.15	0.57	4.87 m³	
	2nd cross . 4>	2×2	30.50	0.15	0.60	10.80	
		2×1	6.30	0.15	0.57	1.08	
	R/S	2×2	30.50	0.15	0.60	10.80	
		2×1	4.50	0.15	0.57	1.20	
	5th cross 4>	2×2	30.50	0.15	0.60	10.80	
		2×1	12.50	0.15	0.57	2.06	
	R/S	2×1	30.50	0.15	0.57	5.13	
		2×1	27.50	0.15	0.57	4.62	648435.00
						108.87 m³	

Less 108.81 m³

@ 5959.33/m³

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measu. No.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
8)	Providg TMT. steel reinforcement fe-500 for RCC work includg straightg. cuttg bendg. hookg. placg in position lappg and or weldg wherever required. tyig with bindg wire and anchorg to the adjoing members wherever necessy complete as per design. Costg Materials, labour. Hire of machinery complete as per specifications.						

M. A. R. 57 (Rule 116)
Measurement Book

No. B 426250

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	9) Providing and Constructing granite size stone masonry in foundation, C.M 1:6, stone hammer dressed in courses not less than 20cms high. bond stone at 2m apart in Each courses including cutting materials, labour, curing complete as per specifications.						
	C_{01}	2×1	6.80	0.60	0.60	4.894	
	C_{02}	2×1	5.60	0.60	0.60	4.03	
	C_{03}	2×1	6.50	0.60	0.60	4.68	
	C_{04}	2×1	6.20	0.60	0.60	4.46	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement of Work
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	CD5	2 nr	6.30	0.60	0.60	4.53	
	CD6	2 nr	6.20	0.60	0.60	4.46	
	flyssy conn.	1 nr	30.40	0.45	0.25	3.37	
					Total	30.56	
					Ltd to	30.32 m³	
				@	4244.24/m³		128,684.48
10)	Providing and constructing cavity wall blocks of 8.2 N/mm² density not less than 1800 kg/m³ average compressive strength of 4.0 N/mm²	Load bearing wall with dotted 400x150x200 mm hollow blocks and hollow as indicated					

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426251

ial No. .....

ne of Work ..... From..... To.....

ne of Contractor of nature of Agency .....

e of commencement of work .....

te	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	IS. 488 (part): 2005, and constructed with cm 1:4, as per IS - 2572.2005, including curing complete as per specification Labour charges, scaffolding	1	30.40	-	0.20	6.08 m² @ 919.40/m²	5516.-
11)	Providing flush pointing to square rubble, coursed or uncoursed stone masonry with cm 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, finishing						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to Measurement No.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	casting materials, labour, curing complete as per specifications.						
	C/1	2 nos	6.80	–	0.60	= 8.1642	
		2 nos	5.60	–	0.60	= 6.72	
		2 nos	6.50	–	0.60	= 7.80	
		2 nos	6.20	–	0.60	= 7.44	
		2 nos	6.30	–	0.60	= 7.56	
		2 nos	6.20	–	0.60	= 7.44	
		1 no	30.40	–	0.25	= ~~5.70~~ 7.35	
				Total		52.6242	
				Upto		52.2642	5139.0

@ 98.33/m²

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426252

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
) Providg and layng in panlng plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm nd down size graded granite metal coarse aggregate 0.8 m³ and fine aggregate 0.4 m³ machine mixed concrete laid in layers not exceedg 15 cms thick well compacted in findn and plinth, includg cost of all material, labour Hire of machinery lyng complete.						
	2 nos	6.80	0.60	0.10	0.81	
	2 nos	3.60	0.60	0.10	0.67	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	CD3	2	6.50	0.60	0.10	0.78 cu.m	
	CD4	2	6.20	0.60	0.10	0.74	
	CD5	2	6.30	0.60	0.10	0.75	
	CD6	2	6.20	0.60	0.10	0.74	
		1	30.40	0.45	0.08	1.08	
		1	30.40	0.20	0.08	0.48	
					Total	6.05 cu.m	
					Ltr/m	5.89 cu.m	
					@	5515.35/=	32485.00
13)	Providing precast slabs of 250mm thick including costs of all materials, labour, carriage transportation, loading						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B 426253

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ıte	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Unloading etc complete as per the directions of Engineer-in-charge of work.						
	CD1	1	6.80	1.80	"	12.24 m²	
	CD2	1	5.60	1.80	"	10.08	
	CD3	1	6.50	1.80	"	11.70 m²	
	CD4	1	6.20	1.80	"	11.16	
	CD5	1	6.30	1.80	"	11.34	
	CD6	1	6.40	1.80	"	11.52	
					1 Unit	68.04 m² 68.04 m²	311672.40

C of FC
29.08.19
30/8/2019

@ ₹ 5317/m²
4584.71

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Ref. to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
						Total Rs	2,31,384/-

Certificate

(1) Certified that the contractor has work done satisfactory.

(2) There is no any materials issued to Contractor

(3) The Contractor has removed all debris from work site

30/08/2019

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

426254

No. .....

of Work ..... From..... To.....

of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8

ಸಹಾಯಕ ಅಧೀಕ್ಷಕರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-26

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